

**LIGHTING LEGEND**

- NEW PGE FACILITIES TO BE INSTALLED**  
(UNLESS OTHERWISE SPECIFIED)
- REMOVE FACILITIES
  - INSTALL FACILITIES
  - INSTALL ADDITIONAL FACILITIES/MODIFY FACILITIES
- INSTALL 1-1/8 AL-TX ST LT CIRCUIT IN 2" SCH40 PVC CONDUIT PROVIDED & INSTALLED BY CUSTOMER
- INSTALL 1-1/2 CU-TX ST LT CIRCUIT IN 1" SCH40 PVC CONDUIT PROVIDED & INSTALLED BY CUSTOMER
- CUSTOMER INSTALLED 1324 STREETLIGHT JUNCTION BOX PGE TO PROVIDE GROUND ROD. CUSTOMER TO INSTALL
- CUSTOMER INSTALLED 1730 SECONDARY VAULT PGE TO PROVIDE GROUND ROD. CUSTOMER TO INSTALL
- INSTALL 40W LED LECTOR GREEN COBRA GRAY LIGHT ON NEW SLO 30' 3PC DB FIBERGLASS GRAY POLE USE NEW # MAST ARM CONNECT 240V
- OPT A

**CREW NOTE:**  
MAKE SURE ALL LIGHT FIXTURES ARE ORIENTED IN THE CORRECT DIRECTION. LOOK FOR "HOUSE SIDE" OR "STREET SIDE" ON THE FIXTURE DURING INSTALLATION.

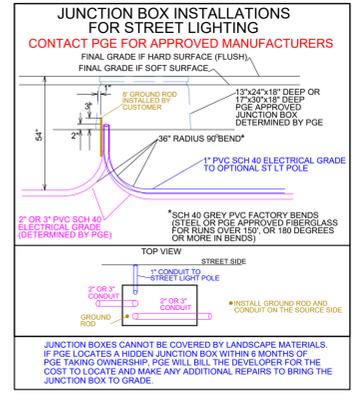
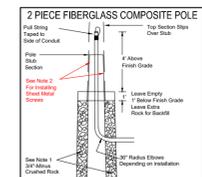
**VICINITY MAP**



**RIGHT-OF-WAY PERMIT NOTICE:**  
A PERMIT FROM THE LOCAL JURISDICTION IS REQUIRED BEFORE ANY WORK IN THE RIGHT-OF-WAY MAY BE PERFORMED. ONLY PGE APPROVED CONTRACTORS AND CONTRACTORS WHO HAVE MADE OTHER SPECIAL AGREEMENTS WITH PGE WILL BE ALLOWED TO WORK UNDER THESE PERMITS. THE CONTRACTOR MUST NOTIFY THE LOCAL JURISDICTION 48 HOURS BEFORE WORK IS TO BEGIN. A COPY OF THE PERMIT MUST BE ON SITE.

**INSTALL 30A FUSES IN SECONDARY PEDESTALS OR SECONDARY VAULTS (WHICHEVER IS ST LT POINT OF ATTACHMENT) FOR EACH STREET LIGHT PER T&D CONSTRUCTION STANDARD LC11550**

**NOTE:**  
PGE TO PROVIDE BOTTOM PIECE OF POLE FOR CUSTOMER TO INSTALL AT THE SAME TIME AS THE CONDUIT.



**PRE-CONSTRUCTION MEETING / TRENCH AND CONDUIT INSPECTION**  
YOUR PROJECT REQUIRES A PRECONSTRUCTION MEETING. CONTACT YOUR SERVICE & DESIGN PROJECT MANAGER 7 TO 10 WORKING DAYS PRIOR TO EXCAVATION TO COORDINATE THE PRE-CON. PGE'S FIELD CONSTRUCTION COORDINATOR (FCC) WILL PROVIDE YOUR TRENCH AND CONDUIT INSPECTIONS.

**CONTACT SERVICE COORDINATOR**  
FOR TRENCH AND CONDUIT INSPECTION PRIOR TO BACKFILL POLE WILL NOT INSTALL WIRE UNTIL TRENCH IS 100% BACKFILLED.  
SERVICE COORDINATOR: 503-323-6700 OR 800-542-8818

**CALL 811 BEFORE YOU DIG**  
OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 852-001 THROUGH 852-01010. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE OREGON UTILITY NOTIFICATION CENTER ADMINISTRATION @ (503) 232-1987.

TO REQUEST UTILITY LOCATES CALL THE OREGON UTILITY NOTIFICATION CENTER @ 811 AT LEAST 2 BUSINESS DAYS PRIOR TO EXCAVATION.

Know what's below. Call before you dig.



**PGE FACILITIES NOT DRAWN TO SCALE**  
THIS DRAWING IS A GRAPHICAL REPRESENTATION OF PORTLAND GENERAL ELECTRIC FACILITIES IN THE FIELD. THIS MAP ILLUSTRATES ELECTRICAL CONNECTIVITY, TYPES AND NUMBERS OF CONDUCTORS AND PLACEMENT OF EQUIPMENT WITHIN THE DISTRIBUTION SYSTEM. IT IS RECOMMENDED THAT THE USER NOT RELY ON THIS DIAGRAM FOR GEOGRAPHICAL LOCATIONS

- CONSTRUCTION NOTES:** SLCS
1. CUSTOMER TO PROVIDE ALL TRENCHING, BACKFILLING, CONDUIT, ELBOWS, JUNCTION BOXES, VAULTS AND PADS. JOINT USE TRENCH WITH GAS. TRENCH TO BE 48 INCHES DEEP AND 20 INCHES WIDE, MEASURED FROM FINAL GRADE. ALL POLE CONDUITORS TO BE INSTALLED IN GRAY SCHEDULE 40 ELECTRICAL GRADE. PGE CONDUIT WITH 1/2 INCH BULB BETWEEN GAS AND OTHER UTILITIES. ALL ELBOWS 4 INCH & SMALLER TO BE 36 INCH RADIUS. RIGID STEEL OR PGE APPROVED FIBERGLASS BENDS ARE REQUIRED FOR RUNS OF 150 FEET OR LONGER, OR FOR ANY LENGTH RUN WITH MORE THAN 180 DEGREES IN BENDS. PVC SCHEDULE 40 BENDS ARE ACCEPTABLE FOR RUNS OF 150 FEET OR LESS. THE MAXIMUM TOTAL BENDS IN ANY CONDUIT RUN IS 270 DEGREES. ALL BENDS MUST BE FACTORY MADE. REFER TO LETTER OF RESPONSIBILITY FOR MORE DETAILS.
  2. A PGE STANDBY CREW IS REQUIRED FOR OPENING ALL ENERGIZED PGE VAULTS, JUNCTION BOXES, AND EQUIPMENT FACILITIES, INCLUDING CONDUIT INSTALLATION, RESTORATION OF CONDUITS AND PULL STRINGS. CALL SERVICE COORDINATION AT 503-323-6700 TO SCHEDULE A PGE STANDBY CREW.
  3. ALL CONCRETE FOOTINGS NEED TO BE INSTALLED WITH TOP OF BASE FLUSH TO CURB / SIDEWALK.
  4. CUSTOMER RESPONSIBLE FOR ROAD CROSSINGS. ALL CROSSINGS MUST EXTEND FROM PROPERTY LINE TO PROPERTY LINE. CROSSINGS TO BE 48 INCHES DEEP, MEASURED FROM FINAL GRADE.
  5. DIRECTIONAL BORING REQUIREMENTS: BLACK HOPE (HIGH DENSITY POLYETHYLENE) DUCT OR POLYMER PIPE WITH MEDIUM DENSITY POLYETHYLENE (MDPE) OR POLYETHYLENE TEREPHTHALATE (PET) CONNECTION PRODUCTS AS AN ALTERNATIVE TO HOPE DUCT. HOPE SHALL MEET THE REQUIREMENTS OF THE PORTLAND GENERAL ELECTRIC (PGE) POLYMER PIPE SPECIFICATION (PGE PROJECT MANAGERS). FOR SAFETY REASONS THE DUCT SHALL BE BLACK WITH THREE EQUALLY SPACED EXTRUDED RED STRIPS WHICH IS A VISUAL CHECK FOR IDENTIFICATION (MAGNOL). TEST OF HOPE PIPE IS REQUIRED AFTER INSTALLATION WITH PGE INSPECTOR PRESENT.
  6. TRANSFORMER PADS ARE TO BE SET SO THAT THE TOP IS 2 INCHES ABOVE FINAL GRADE. CONDUIT IS TO BE INSTALLED IN PAD AS INDICATED IN DETAIL AND TO EXTEND 1" ABOVE THE PAD.
  7. ALL PGE TRANSFORMERS TO BE INSTALLED 8 FEET (MIN) FROM ANY COMBUSTIBLE BUILDING, WALL OR OVERHANG AND 4 FEET (MIN) FROM ANY FIRE HAZARD. PGE TRANSFORMERS MUST BE INSTALLED 15 FEET (MIN) FROM ANY DRIVEWAY AREA. ALWAYS MAINTAIN 10 FEET CLEARANCE IN FRONT OF ALL TRANSFORMERS.
  8. STEEL BARRIER POSTS ARE REQUIRED AROUND TRANSFORMERS THAT ARE EXPOSED TO VEHICLES. REFER TO ELECTRICAL SERVICE REQUIREMENTS (ESR) SECTION 10.8.
  9. AS NEEDED, FRONT LOT PUBLIC UTILITY EASEMENT (P.U.E.) TO BE 8 FEET (MIN), 10 FEET (PREFERRED).
  10. CONDUIT WITH PGE REPRESENTATIVE 2 WEEKS BEFORE STARTING MAIN POWER TRENCHING FOR A PRECONSTRUCTION CONFERENCE. INCLUDED IN THIS CONFERENCE WILL BE EXCAVATOR, POLE, TELCO, CITY, AND GAS.
  11. CUSTOMER TRENCH AND ELBOW CONFIGURATIONS. ALL CONDUIT, VAULT AND PAD RESTORATION TO BE COMPLETED WITHIN 10 WORKING DAYS OF WHEN YOU ARE READY FOR PGE TO INSPECT. (AFTER INSTALLATION IS COMPLETED CALL 800 542 8818 FOR PGE TO INSPECT. ALLOW AT LEAST 2 WORKING DAYS FOR INSPECTION TO OCCUR.)
  12. REFER TO THE PGE ELECTRICAL SERVICE REQUIREMENTS BOOKLET FOR SPECIFIC REQUIREMENTS.
  13. DESIGN IS BASED ON STANDARD UNDERGROUND EQUIPMENT. NON-STANDARD UNDERGROUND EQUIPMENT MAY BE AN OPTION AT AN ADDITIONAL COST TO THE CUSTOMER.

**PGE CONSTRUCTION DRAWING**  
**AS-BUILT VERIFICATION & NESC VIOLATIONS CORRECTED**  
This document accurately represents FIELD Construction.

Foreman: \_\_\_\_\_ Date: \_\_\_\_\_

General Foreman: \_\_\_\_\_ Date: \_\_\_\_\_  
(Signature only required for field construction changes.)

CONST. PROJECT MGR: \_\_\_\_\_ PHONE: \_\_\_\_\_

DATE: 6/26/2023 SCALE: NTS ACCOUNT: 1070001 T&D: 1000009106 JOB NO: M3373107

**PGE**

TITLE: CITY OF TUALATIN / SW 67TH AVENUE STREET IMPROVEMENT  
CIRCUIT: MERIDIAN-SAGERT  
LOCATION: 19778 SW 67TH AVE, TUALATIN  
DESCRIPTION: INSTALL 10 POLES, STREET LIGHTS AND UG CIRCUIT, CONNECT 240V  
COUNTY: WASHINGTON  
DESIGN BY: JASON MORIN PHONE: (503) 672-5474  
DRAWN BY: LUIS BLANCO  
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WORK WITH: 1 of 1